

INTRODUCING

RHEOTHERM®

MaxExtractor™

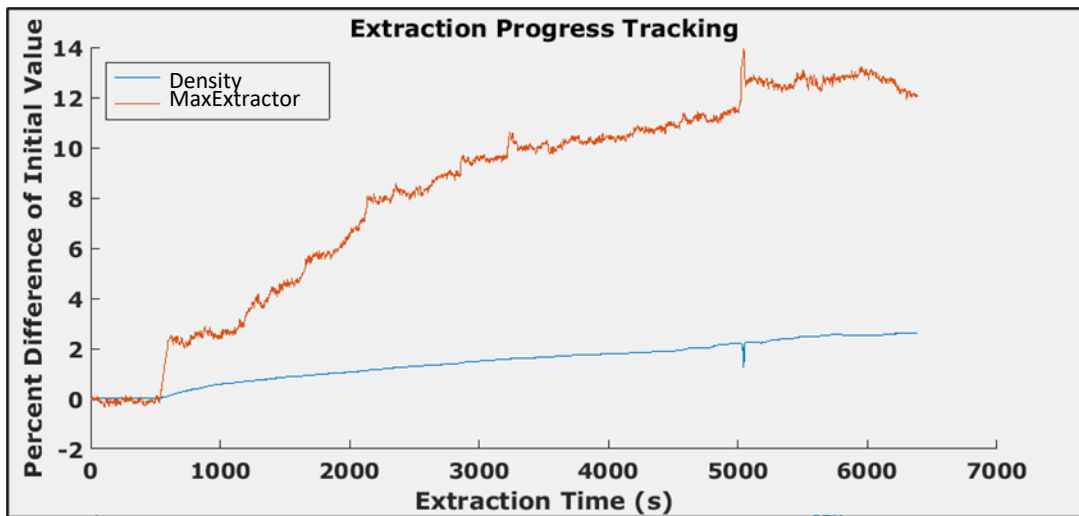
Thermal Property Sensor

A revolutionary new way to improve extraction efficiency

The Intek MaxExtractor can track extraction progress from outside the tube! While a solvent extraction is running, the MaxExtractor measures the thermal properties of the fluid traveling through it, allowing it to continuously sense the change from pure solvent to solvent with extract.

The MaxExtractor can improve your extraction efficiency by allowing you to track the rate of extraction. When your extraction slows to completion the MaxExtractor can tell you to start the next cycle, increasing the cycles per day, extract output, and overall yield.

The MaxExtractor's time tested construction method is suitable for high pressure, high and low flow extractions, and able to be certified for explosive environments.



When compared to a sensor measuring density alone, Intek's MaxExtractor has a highly sensitive measurement of extraction progress. The MaxExtractor measures several fluid properties which vary considerably as more extract is added to the solvent. This allows the MaxExtractor to clearly show extraction progress and completion. This data allows an operator to fine-tune the extraction process.

The above graph shows an example extraction of Hops Oil. Intek's MaxExtractor is plotted against a Coriolis Meter's density measurement. Not only is the MaxExtractor more affordable, but it has no flow restrictions, a high-pressure rating, and a more sensitive output for measuring extraction progress. It clearly shows trends in the extraction; spikes in extract concentration when the plant matter is agitated, the change in extraction rate over time, and when the plant matter is exhausted of extract. Using the MaxExtractor in your extraction process allows you to determine where in the extraction process to switch cycles, allowing you a consistent high yield that is adaptable to the plant matter used.



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